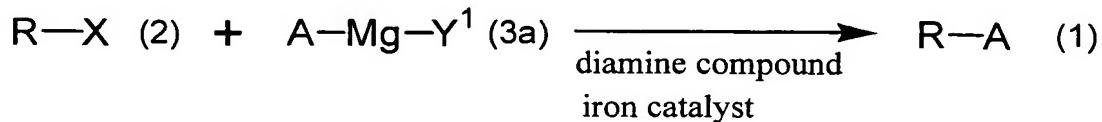


ABSTRACT

A problem of the present invention is to provide an economical process with minimized toxicity for producing an aromatic compound having a variety of substituents such as various alkyl groups, and the problem is solved by a process for production of an aromatic compound represented by formula (1) below, which comprises reacting a compound represented by formula (2) below with an aromatic magnesium reagent represented by formula (3a) below in the presence of an iron catalyst and a diamine compound:



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wherein R is an optionally substituted hydrocarbon group or a C₃ - C₁₀ saturated or unsaturated ring group; A is an optionally substituted C₄ - C₂₀ aromatic group or an optionally substituted heteroaromatic group; X is a halogen atom or a sulfonic acid ester; and Y¹ is bromine, iodine, chlorine or a carbanion ligand.